

## SEQUENCE LISTING

### SEQ ID NO: 1

mMRP protein sequence

5 1 MGS LFQEAEP QAGTEQNKPT LASRFQQT LG DLLARLGSRG HVYVIHCLNP  
51 TPGKIPGLLD VGHVAEQLRQ AGILEIIGTR STHFPVRVSF QVFLARFHAL  
101 GSGRQKAASD QERCGAILSE VLGAESPLYH LGVTQVLLQE QGWQQLEQLW  
151 AQRRSQALLT LHRGLRACIT RQRLRLLPRM QARVRGLQAR KRYLQRRSAL  
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10 251 TLLERAEGHQ ALLTG SITES LPPEV PARPS LTLPPDIDQF PFSSFVSTSF  
301 QKPFLPRPGQ PLDEPLTRLD GENPQQALEI NRVMLRLLGE GSLQSWQEQT  
351 MGTFLVQQAQ RRPGLRDEL F SQLVAQLWRN PDEQQNQRGW ALMVILLSSF  
401 APTPALEKPL LKFVSDQAPS GMAALCQHKL LGALEQTPLA PMASRSHPPT  
451 QLEWKAGLRR GRMALDVFTF NEESYSAEVE SWTTGEQFAG WILQSRGLEA  
15 501 PPRGWSVSLH SGDAWRDLPG CDFVLDLIGQ TEDLGDPAGP HNYPI TPLGL  
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601 EPALAPGFSD LEQGWALSRR MKGGGSVGPT QQGYPMVYPG MVQAPSYQPA  
651 MIPAPMPVMP AMGAVPTMPA MMVPPQPQPL VPSLDSRQLA LQQQNFINQQ  
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851 KAVKEDEAEP AQEEVPTQGE DPPVHSSNSA PQHPKPSRVP PVQSSNSAPP  
901 RPQPSREIRN IIRMYQSRPG PVAVPVQPTR PIKTFQKKND PKDEALAKLG  
951 INGVHLPLST SPNQ GKSSPP AVVPRPKARP RLEPSLSIQE KQGPLRDLFG  
25 1001 PCSPNPPTAP APPPPPALPP PLSGEPKTPS VESHALTEPM EDKNISTKLL  
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30 1251 ALRSYITDDN SLLSFHRGDL IRLLPVTALE PGWQFGSAGG RSGLFPDDV  
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### SEQ ID NO: 2

mMRP cDNA, variant 1

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### **SEQ ID NO:3**

30 cDNA sequence of mMRP, variant 2

1 CGCTGGGACT GTCACCTACC AGGTGCACAA GTTCATAAAC AGAAACAGGG  
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20 **SEQ ID NO:4**

hMRP1, partial amino acid sequence (437 a.a.)

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**SEQ ID NO:5**

hMRP1 partial DNA sequence (4174 bp)



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 25 AGCTGAAGATTCTCTGCTCATAAGCTTTGCGGAGGTGCTGGGTGTGGAGTGCCGGGGCG  
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 30 GGGGCCGTTCCGGACTCTTTCTGCCGACATAGTGACGCCGGCTGCCGCTCCCGACTTTT  
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 10 GGGTGACCAGTCCAAGCCCCGGGGCAAGGATGAGATGGATCTGCTCTATGAACTGCTGAA  
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 GCAAAGAAAACAGCCAGACCCTCTCCAGGACGGCCTGGGGCCAAAGCGGGCTGCAGGAAC

TCGGCTGGGGCACCTGAGGTTGCCAGTCTGAGGGAGATGCCACCCGACCCAGGCTCC  
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5

**SEQ ID NO:6**

hMRP2 partial amino acid sequence (786 a.a.)

MYQSRPGVPVPVQPSRPPKAFLRKIDPKDEALAKLGINGAHSSPPMLSPSPGKGPPPAV  
 10 APRPKAPLQLGPSSSIKEKQGPLLDFGQKLPIAHTPPPPAPPLPLPEDPGTLSAERRC  
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 DTFSESCIRISQNERRKMKDLLGGLEVDLDSLTTTEDSVKKRIVVAARDNWANYFSRFFP  
 VSGESGSDVQLLAVSHRGLRLLKVTQGPGLRPDQLKILCSYSFAEVLGVECRGGSTLELS  
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 15 VATLEPGWQFGSAGGRSGLFPADIVQPAAPDFSFSSKEQSRSGWHKGQLSNGEPGLARWDR  
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 SGPSQELARSSQEHLQRTVKYGGRRRMPPPGEMKAFLKGQAIRLLLIHLPGGVDYRTNIQ  
 20 TFTVAAEVQEELCRQMGITEPQEVQEFALFLIKEKSQLVRPLQPAEYLNSSVVVDQDVSLH  
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 PQGRTC

25 **SEQ ID NO:7**

hMRP2 partial DNA sequence (3780 bp)

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 GAGGAGGAGGAGGAGGAGCAGGAGGAGCAAGAAGTGGAACAAGAGCAGCGCCGTCCCCT  
 CCTCCTCCCCCATCGTGAAGAAGCCATTGAAGCAAGGTGGGGCCAAAGCTCCAAAAGAG

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 5 CCAAGCTGGGTATCAACGGTGCCCACTCGTCCCCGCCGATGCTGTCCCCCAGCCCAGGAA  
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 10 TACTCGCGCCCTCTGGCAGCGTGTGCTTCTCCTACACCGGCACGCCCTGGAAGTTGTTCC  
 TACGCAAGGAGGTGTTCTACCCACGGGAGAACTTCAGCCATCCCTACTACCTGAGGCTCC  
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 20 GGGGCCAAAGCGGGCTGCAGGAACTCGGCTGGGGCACCTGAGGTTGCCAGTCTGAGGGA  
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**SEQ ID NO:8**

25 MRP signature sequence 1

PWKLFLRKEVFYPRENFSHPY

30 **SEQ ID NO:9**

MRP signature sequence 2

KKRIVVAARDNWANYFSR

**SEQ ID NO:10**

MRP signature sequence 3

5 KDSGYVIALRSYITD

**SEQ ID NO:11**

MRP signature sequence 4

10

LEPGWQFGSAGGRSGLFP